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CLAIM AMENDMENTS

1. (currently amended) A <u>pharmaceutical composition comprising a pharmaceutically acceptable carrier and a compound of formula PQ:</u>

or a pharmaceutically acceptable salt thereof.

2. (currently amended) A <u>pharmaceutical composition</u> eompound according to claim 1, of formula **P** or **Q**:

or a pharmaceutically acceptable salt thereof.

- 3. (currently amended) A pharmaceutical composition according to claim 1 comprising a pharmaceutically acceptable carrier and (1*S*,4*R*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-1-naphthalenamine according to claim 1 or a pharmaceutically acceptable salt thereof.
- 4. (currently amended) A pharmaceutical composition according to claim 1 comprising a pharmaceutically acceptable carrier and (1*R*,4*S*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-1-naphthalenamine according to claim 1 or a pharmaceutically acceptable salt thereof.
- 5. (cancelled)

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6. (currently amended) A tablet or capsule according to elaim 5 any of claims 1-4.

- 7. (original) A method for treating CNS disorders in a human, the method comprising administering to a person in need of treatment for a CNS disorder, a therapeutically effective amount of:
 - (a) (1*R*,4*S*)-trans 4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-1-napthalenamine

(b) (1*S*,4*R*)-*trans* 4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-1-napthalenamine

- (c) a mixture of P and Q; or
- (d) a pharmaceutically acceptable salt thereof.
- 8. (original) The method according to claim 7, wherein the CNS disorder is a mood disorder.
- 9. (original) The method according to claim 8, wherein the mood disorder is depression.
- 10. (previously presented) The method according to claim 7, wherein the CNS disorder is anxiety-related disorder.

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11. (original) The method according to claim 10, wherein the anxiety-related disorder is obsessive compulsive disorder.

12. (original) The method according to claim 7, wherein the CNS disorder is a disruptive behavior disorder.

13. (original) The method according to claim 12, wherein the disruptive behavior disorder is one of attention deficit disorder (ADD) or attention deficit / hyperactivity disorder (ADHD).

14. (original) The method according to claim 7, wherein the CNS disorder is a sexual dysfunction.

15. (original) The method according to claim 7, wherein the CNS disorder is a substance abuse disorder.

16. (original) The method according to claim 7, wherein the CNS disorder is an eating disorder.

17. (original) A method according to claim 7, wherein the CNS disorder is premenstrual syndrome disorder.

18. (original) A method for the prophylaxis of migraine in a human, the method comprising administering to a person at risk or in need of therapy for a migraine, a therapeutically effective amount of a compound chosen from:

(a) (1*R*,4*S*)-trans 4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-1-napthalenamine

(b) (1*S*,4*R*)-trans 4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-1-napthalenamine

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(c) a mixture of P and Q; and

(d) a pharmaceutically acceptable salt thereof.

19. (original) A method for treating psychoses in a human, the method comprising administering to a person in need of treatment for a psychoses, a therapeutically effective amount of:

(a) (1*R*,4*S*)-*trans* 4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-1-napthalenamine

(b) (1*S*,4*R*)-*trans* 4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-1-napthalenamine

(c) a mixture of P and Q; or

- (d) a pharmaceutically acceptable salt thereof, together with
- (e) a therapeutically effective amount of a D₂ antagonist, or a pharmaceutically acceptable salt thereof.

20. (original) The method according to claim 19, wherein the D_2 antagonist is olanzapine.

21. (cancelled)

22. (previously presented) A method for treating psychoses in a human, the method comprising administering to a person in need of treatment for a psychoses, a therapeutically effective amount of:

(a) (1R,4S)-trans 4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-1-napthalenamine

(b) (1*S*,4*R*)-*trans* 4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-1-napthalenamine

- (c) a mixture of P and Q; or
- (d) a pharmaceutically acceptable salt thereof, together with
- (e) a therapeutically effective amount of an antipsychotic agent, or a pharmaceutically acceptable salt thereof.
- 23. (previously presented) A process for preparing 4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-1-napthalenamine, the process comprising:
 - (a) reacting 4-(3,4-dichlorophenyl)-3,4-dihydro-1naphthalenone with an excess of formic acid and formamide to provide *N*-[4-(3,4-dichloro phenyl)-1,2,3,4tetrahydronaphthalen-1-yl]formamide; and
 - (b) hydrolyzing the *N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro naphthalen-1-yl]formamide with aqueous acid,

yielding 4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-1-napthalenamine.

24. (previously presented) A compound of formula:

25. (previously presented) A compound according to claim 24, of formula E:

26. (previously presented) A compound according to claim 24, of formula F:

27. (previously presented) A compound according to claim 24, of formula A, B, C, or D:

- 28. (previously presented) (1*S*,4*R*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide according to claim 24.
- 29. (previously presented) (1R,4S)-N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide according to claim 24.
- 30. (previously presented) (1S,4S)-N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl] formamide according to claim 24.
- 31. (previously presented) (1R,4R)-N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl] formamide according to claim 24.
- 32. (previously presented) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a compound according to any of claims 24 to 31.
- 33. (previously presented) A tablet or capsule according to claim 32.
- 34. (previously presented) A method for treating CNS disorders in a human, the method comprising administering to a person in need of treatment for a CNS disorder, a therapeutically effective amount of N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl] formamide.
- 35. (previously presented) A method according to claim 34, the method comprising administering to a person in need of treatment for a CNS disorder, a therapeutically effective amount of:

(a) (1*S*,4*R*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

(b) (1*R*,4S)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

(c) (1*S*,4*S*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

(d) (1*R*,4*R*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

(e) a mixture of A and B;

(f) a mixture of C and D; or

(g) a pharmaceutically acceptable salt thereof.

36. (previously presented) The method according to claim 34, wherein the CNS disorder is a mood disorder.

- 37. (previously presented) The method according to claim 36, wherein the mood disorder is depression.
- 38. (previously presented) The method according to claim 34, wherein the CNS disorder is anxiety-related disorder.
- 39. (previously presented) The method according to claim 38, wherein the anxiety-related disorder is obsessive compulsive disorder.
- 40. (previously presented) The method according to claim 34, wherein the CNS disorder is a disruptive behavior disorder.
- 41. (previously presented) The method according to claim 40, wherein the disruptive behavior disorder is one of attention deficit disorder (ADD) or attention deficit / hyperactivity disorder (ADHD).
- 42. (previously presented) The method according to claim 34, wherein the CNS disorder is a sexual dysfunction.

43. (previously presented) The method according to claim 34, wherein the CNS disorder is a substance abuse disorder.

- 44. (previously presented) The method according to claim 34, wherein the CNS disorder is an eating disorder.
- 45. (previously presented) A method according to claim 34, wherein the CNS disorder is premenstrual syndrome disorder.
- 46. (previously presented) A method for the prophylaxis of migraine in a human, the method comprising administering to a person at risk or in need of therapy for a migraine, a therapeutically effective amount of N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide.
- 47. (previously presented) A method according to claim 46, the method comprising administering to a person at risk or in need of therapy for a migraine, a therapeutically effective amount of a compound chosen from:
 - (a) (1*S*,4*R*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

(b) (1*R*,4S)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

(c) (1*S*,4*S*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

(d) (1*R*,4*R*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

- (e) a mixture of A and B;
- (f) a mixture of C and D; or
- (g) a pharmaceutically acceptable salt thereof.

48. (previously presented) A method for treating psychoses in a human, the method comprising administering to a person in need of treatment for a psychoses, a therapeutically effective amount of N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide.

49. (previously presented) A method according to claim 48, the method comprising administering to a person in need of treatment for a psychoses, a therapeutically effective amount of:

(a) (1*S*,4*R*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

(b) (1*R*,4*S*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

(c) (1*S*,4*S*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

(d) (1*R*,4*R*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

(e) a mixture of A and B;

- (f) a mixture of C and D; or
- (g) a pharmaceutically acceptable salt thereof, together with
- (h) a therapeutically effective amount of a D₂ antagonist, or a pharmaceutically acceptable salt thereof.

50. (currently amended) The method according to claim -48–49, wherein the D_2 antagonist is olanzapine.

51-53. (cancelled)

- 54. (previously presented) A method according to claim 48, the method comprising administering to a person in need of treatment for a psychoses, a therapeutically effective amount of:
 - (a) (1*S*,4*R*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

(b) (1*R*,4*S*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

(c) (1*S*,4*S*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

(d) (1*R*,4*R*)-*N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide

- (e) a mixture of A and B;
- (f) a mixture of C and D; or
- (g) a pharmaceutically acceptable salt thereof, together with
- (h) a therapeutically effective amount of an antipsychotic agent, or a pharmaceutically acceptable salt thereof.

55. (previously presented) A process for preparing N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide comprising reacting 4-(3,4-dichlorophenyl)-3,4-dihydro-1-naphthalenone with an excess of formic acid and

formamide to provide N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide.

- 56. (previously presented) The process according to claim 55, wherein the 4-(3,4-dichlorophenyl)-3,4-dihydro-1-naphthalenone is of the (S) configuration and the N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide is a 1:1 mixture of (1R,4S)- N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide and (1S,4S)-N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide.
- 57. (previously presented) The process according to claim 56, further comprising separating the (1R,4S)-N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide and (1S,4S)-N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl] formamide.
- 58. (previously presented) The process according to claim 55, wherein the 4-(3,4-dichlorophenyl)-3,4-dihydro-1-naphthalenone is of the (R) configuration and the N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide is a 1:1 mixture of (1R,4R)- N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide and (1S,4R)-N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide.
- 59. (previously presented) The process according to claim 58, further comprising separating the (1R,4R)-N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide and (1S,4R)-N-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl] formamide.
- 60. (previously presented) The process according to claim 55, wherein the 4-(3,4-dichlorophenyl)-3,4-dihydro-1-naphthalenone is racemic and the process further comprises separating the *N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl] formamide into *cis N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl] formamide and *trans N*-[4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]formamide.